

REMARKS/ARGUMENTS

Favorable reconsideration of this application, in light of the following discussion, is respectfully requested.

Claims 1-4 are currently pending in this application. By this Response, the applicants leave Claims 1-4 unamended.

In the outstanding Office Action, Claims 1-4 were rejected under 35 U.S.C. §103(a) for obviousness over a combination of four prior art references, i.e. the prior art system disclosed by the applicants in Fig. 1 of the drawings in this application in view of the combined teachings of the U.S. Patent of Minneste, Jr., the U.S. Patent of Hoadley and the U.S. Patent Application Publication of Duff, Jr.

This rejection is hereby traversed. The applicants admit that the known prior art shown in Fig. 1 of this application discloses a three-wire reversing system comprising a common lead connected to the second terminal of a motor and also comprising an alternating current input voltage source electrically connected to the common lead and selectively connected to one of the first switch lead and the second switch lead.

As the examiner admits on page 2 of the Office Action, the prior art system seen in Fig. 1 lacks the following four elements: a capacitive element; a permanent magnet, reversible, brush-type, direct current motor electrically connected to the capacitive element, said motor having first and second terminals; a first diode having an anode connected to the first switch lead for clockwise rotation of the motor, said first diode being connected to the first terminal of the motor; and a second diode having a cathode connected to the second switch lead for counterclockwise rotation of the motor, said second diode being connected to the first terminal of the motor.

The examiner's secondary reference of Minneste, Jr., discloses an automatic exposure control system for the iris of a camera. This transistorized circuit operates on a low direct

current voltage and is used in a servo mode to control a motor at various speeds. Thus, there is no motivation for a person of ordinary skill in the art to extract from the camera the capacitive element c6 connected in parallel with the reversible direct current motor M from Fig. 1 of Minneste, Jr., and plug them into a three-wire reversing system, such as the present invention.

The examiner's tertiary reference of Hoadley discloses an electrical damping circuit for a direct current motor used in a self-positioning system of an automatic focusing projector. This transistorized circuit operates at low direct current voltage in a servo positioning system. The alternating circuit source is stepped down and then rectified. Although Hoadley illustrates in Fig. 1a a first diode 18 allowing current to run in a clockwise direction and a second diode 20 allowing current to run in a counterclockwise direction, there is no suggestion that these first and second diodes may be used in a three-wire reversing system in the same manner as the present invention.

The examiner's fourth reference of Duff, Jr., discloses a circuit for using polarized capacitors in general alternating circuit applications. The published application of Duff, Jr., reads more as a study of capacitors used for phase shift, power factor, etc., rather than as a patent application. Essentially, Duff, Jr., is trying to patent two electrolytic capacitors placed back to back to form a nonpolar capacitor. This combination is known in the prior art for over 50 years. Therefore, despite the fact that Duff, Jr., shows in Fig. 6A two polarized capacitors 312 and 314 connected in series, this arrangement has definitely no relation to the three-wire reversing system of the present invention, as it is defined in Claim 1.

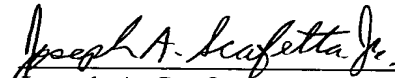
Based on the above discussion, the applicants contend that Claim 1 is patentably distinguishable over the examiner's combination of four prior art references. Additionally, dependent Claims 2-4 are likewise patentable over the applied references. Thus, the rejection

of all Claims 1-4 under 35 U.S.C. §103(a) for obviousness is believed to be erroneous and should be withdrawn.

Consequently, in view of the foregoing remarks and arguments, no further issues are believed to be outstanding and the present application should be considered in clear condition for formal allowance. Therefore, a quick and favorable action to that effect is earnestly solicited.

Respectfully submitted,

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